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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/719,002 | 11/20/2003 | Nova Spivack | RN-P002 | 9098 |

7590 05/22/2006

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| EXAMINER |
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ROSE, HELENE ROBERTA

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| ART UNIT | PAPER NUMBER |
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2163

DATE MAILED: 05/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|-------------------------------|--------------------------------|--|
| Office Action Summary | Application No. 10/719,002 | Applicant(s) SPIVACK ET AL. | |
| | Examiner Helene Rose | Art Unit 2163 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

1. Claims 1 and 2 are presented for examination.
2. Claims 1 and 2 have been rejected.

Drawings

3. The drawings are objected to under 37 CFR 1.83(a) because they fail to show:
 - A. Figure 1, diagram 5 - (cited on page 15, lines 5-18)
 - B. Figure 3, diagram 4 - (cited on page 16, line 13)
 - C. Figure 6, diagram 4 - (cited on page 15, line 21)
 - D. Figure 5, diagrams 10-12 – (cited on page 21, line 17 and page 18, line 6)

as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

Abstract

4. The abstract of the disclosure is objected to because it exceeds 15 lines of text and it exceeds 150 words in length. Therefore, because of its excessive length, the application will be returned to the examiner for preparation of a shorter abstract. Correction is required. See MPEP § 608.01(b).

Claim Rejections – 35 U.S.C- 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Kroenke et al. (US Patent No. 5,809,297, Date of Patent: September 15, 1998).

Claim 1:

Regarding claim 1, Kroenke teaches a semantic object representing an entity or tacit information (Figure 1, all features, wherein diagram 10 corresponds with diagram 40 and diagram 20 corresponds with diagram 30; column 2, lines 26-35; column 5, lines 54-55, Kroenke), the semantic object comprising:

semantic tags describing attributes of the entity or tacit information, including relationships to other semantic objects, to physical or software objects (column 2, 35-36; column 4, lines 32-34, wherein graphic visual representation is interpreted to be the physical object; column 5, lines 31-37, Kroenke), or to information existing in the mind of a human being (Figures 3,5,7,9,11 and 18, all features, wherein profiles are defined and interpreted to be mind of human being; column 6, lines 3-4; column 7, lines 21-24, wherein the user will be provided with a database schema that will store the information in a set of relational tables that reflect the users view of how he or she envisions the data, Kroenke); and

rules embodying goals (column 23, lines 26-27, wherein the system applies a set of rules to ensure that the correct attribute is used, Kroenke), automation and other policies regarding how the semantic object interacts with (column 4, lines 55-57, wherein a user interacts with the graphical user interface to create appropriate semantic objects; column 11, lines 47-49, wherein a user accomplishes a task by interacting with the user interface on display screens, Kroenke), is manipulated by, and is displayed to human beings (column 7, lines 18-21, Kroenke) and automatic processes (column 8, lines 1-4, wherein placing a subtype attribute in the person semantic object automatically causes the parent-type attribute called "person" to be placed in the student semantic object; column 12, lines 15-20, wherein once the semantic object has been created the system automatically creates a corresponding object link profile Kroenke);

wherein a semantic object can be searched using semantic tags and meta-data contained in the semantic object (column 2, lines 51-62, wherein the steps of searching the semantic objects for the names of the terms, performs expanding ring search from the formula attribute to the semantic object that contains formulas attribute and to the remaining semantic object in the semantic object data model, search produces one or more list of attributes that are located at that same logical distance from the formula attribute and so forth, Kroenke), the meta-data being paired with the semantic tags and line and wherein the semantic tags can be extended by an owner of the semantic object and shared over a network (columns 2-3, lines 63-67 and lines 1-3, wherein if there are two or more attributes within the same semantic object data model having the same name or two distinct paths to the same attribute used in the formula, the system prompts the user to decide which attribute or pate to the attribute is to be used in the formula, Kroenke).

Claim 2:

Regarding claim 2, Kroenke teaches a method of managing a relationship between a first semantic object and a second semantic object, wherein the relationship is represented by a third semantic object (Figure 1, all features, wherein a relationship between four semantic objects are shown, Kroenke), the method comprising:

posting an invitation semantic object (column 21, lines 57-61, wherein the profile is added to the group profile and so forth is interpreted to be posting a invitation, Kroenke);

accepting the invitation semantic object (column 22, lines 12-17, wherein attempted insertion meets these requirements, which is interpreted to be accepting the invitation, wherein invitation is interpreted to be tempting allurements, Kroenke);

providing the second semantic object with a first set of policies of the first semantic object and providing the first semantic object with a second set of policies of the second semantic object, wherein the policies can prevent data from being received at a semantic object by preventing data from originating at a source (column 19, lines 41-43, wherein prevents a subtype attribute based on profile created from the person semantic object from being inserted into either the professor or student semantic objects, Kroenke);

encapsulating data about the relationship in the third semantic object; and enabling modification of either set of policies during the relationship (column, lines 59-61, wherein user can instruct the system to transform the semantic object into a set of commands or subroutines calls which create the database schema, Kroenke).

Prior Art of Record

1. Kroenke et al. (US Patent No. 5,809,297) - discloses a computer-based system for allowing a user to create a relational database schema.
2. Kawai (US Patent No. 5,717,924) discloses an object model comprises one or more semantic objects that represent items about which data is stored in a relational database in a computer system.

Point of Contact

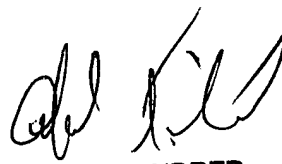
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helene Rose whose telephone number is (571) 272-0749. The examiner can normally be reached on 8:00am - 4:30pm Monday-Friday.

Art Unit: 2163

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Helene Rose
Technology Center 2100
May 10, 2006



ALFORD KINDRED
PRIMARY EXAMINER